



U.S. Department
of Transportation
**Research and
Special Programs
Administration**

400 Seventh St., S.W.
Washington, D.C. 20590

JUN 19 2001

DOT-E 11168
(SIXTH REVISION)

EXPIRATION DATE: April 30, 2003

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: Sigma-Aldrich Corporation
(Former Grantee: Aldrich Chemical Co., Inc.)
St. Louis, MO
2. PURPOSE AND LIMITATION:
 - a. This exemption authorizes the transportation in commerce of limited quantities of 1-Methyl-3-Nitro-1-Nitrosoguanidine (MNNG) and 1-Ethyl-3-Nitro-1-Nitrosoguanidine (ENNG) in packagings described in paragraph 7 below, as a Division 4.1 material. This exemption provides no relief from the Hazardous Materials Regulations (HMR) other than as specifically stated herein.
 - b. The safety analyses performed in development of this exemption only considered the hazards and risks associated with transportation in commerce.
3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.
4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR §§ 173.21(b) in that the material is forbidden, except as specified herein; and §§ 173.54(k), 173.57(a) and 173.124(a).
5. BASIS: This exemption is based on application of Sigma-Aldrich Corporation's (formerly Aldrich Chemical Company) application dated May 21, 2001 submitted in accordance with § 107.109.

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6. HAZARDOUS MATERIALS (49 CFR § 172.101):

Hazardous materials description/proper shipping name	Hazard Class/ Division	Identification number	Packing Group
Flammable solids, n.o.s.	4.1	UN1325	II

7. SAFETY CONTROL MEASURES:a. PACKAGING -The prescribed packaging is as follows:

(1) A plastic bottle containing not more than 25 grams net weight of MNNG or ENNG , with the closure held securely in place by positive means, enclosed in a sealed plastic bag of at least 4 mil thickness;

(2) the bag containing the bottle is surrounded by non-combustible cushioning material and enclosed within a hermetically sealed metal can; and

(3) the can is overpacked in a 4G outer fiberboard box with at least 25 mm (1 inch) of cushioning material placed between the outer surface of the can and any inner surface of the fiberboard box.

b. OPERATIONAL CONTROL. Shipments of MNNG must be made only under the condition that the MNNG in the package does not exceed 130 degrees Fahrenheit (54 degrees Centigrade)..

8. SPECIAL PROVISIONS:

a. A person who is not a holder of this exemption who receives a package covered by this exemption may reoffer it for transportation provided no modifications or changes are made to the package and it is reoffered for transportation in conformance with this exemption and the HMR.

b. A current copy of this exemption must be maintained at each facility where the package is offered or reoffered for transportation.

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle, rail freight and cargo vessel.10. MODAL REQUIREMENTS: A current copy of this exemption must be carried aboard each motor vehicle and cargo vessel used to transport packages covered by this exemption.

11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this exemption and penalties prescribed by the Federal hazardous materials transportation law, 49 U.S.C. 5101 et seq.:

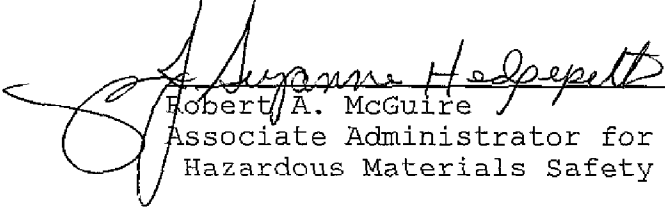
- o All terms and conditions prescribed in this exemption and the Hazardous Materials Regulations, 49 CFR Parts 171-180.
- o Registration required by § 107.601 et seq., when applicable.

Each "hazmat employee", as defined in § 171.8, who performs a function subject to this exemption must receive training on the requirements and conditions of this exemption in addition to the training required by §§ 172.700 through 172.704.

No person may use or apply this exemption, including display of its number, when the exemption has expired or is otherwise no longer in effect.

12. REPORTING REQUIREMENTS. The carrier is required to report any incident involving loss of packaging contents or packaging failure to the Associate Administrator for Hazardous Materials Safety (AAHMS) as soon as practicable. (Sections 171.15 and 171.16 apply to any activity undertaken under the authority of this exemption.) In addition, the holder(s) of this exemption must inform the AAHMS, in writing, of any incidents involving fire, explosion or the package and shipments made under the terms of this exemption.

Issued in Washington, D.C.:


Robert A. McGuire
Associate Administrator for
Hazardous Materials Safety

JUN 19 2001

(DATE)

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Research and Special Programs Administration, Department of Transportation, Washington, D.C. 20590.
Attention: DHM-31.

The original of this exemption is on file at the above office. Photo reproductions and legible reductions of this exemption are permitted. Any alteration of this exemption is prohibited.

Copies of exemptions may be obtained from the AAHMS, U.S.
Department of Transportation, 400 7th Street, S.W., Washington,
DC 20590-0001, Attention: Records Center, 202-366-5046.

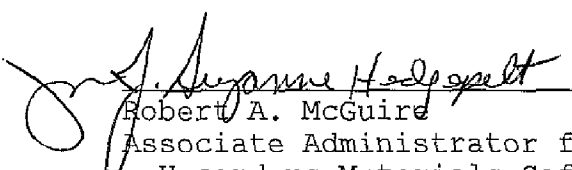
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The following are hereby granted party status to this exemption based on their application(s) submitted in accordance with § 107.107 or § 107.109, as appropriate:

Company Name City/State	Application Date	Issue Date	Expiration Date
Haz Mat Services, Inc. Yorba Linda, CA	4/29/1999	9/22/99	7/31/2001


Robert A. McGuire
Associate Administrator for
Hazardous Materials Safety